

## NORMALIZED TRANSACTION PROCESSING FOR SEARCH ENGINE

### ABSTRACT OF THE DISCLOSURE

An apparatus and method for transaction processing for a search  
5 transaction is disclosed. Search queries from users are received by an  
intermediate computing device. Each search query includes a user address  
and search criteria. The search criteria is normalized by the intermediate  
computing device to produce normalized search criteria. The normalized  
search criteria is then transmitted from the intermediate computing device to the  
10 search engine. The search engine performs a search using the normalized  
search criteria. The search engine then generates and sends a response to the  
intermediate computing device that includes search results. The intermediate  
computing device receives the results, generates responses to each search  
query using the receives search results, and sends responses to each user. In  
15 another embodiment, a software program is installed on the search engine  
computing device. The software program receives search queries from users  
and communicates with the search engine program for normalizing data.